

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,654,595 B2
APPLICATION NO. : 10/518756
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INVENTOR(S) : Kazuo Yokoyama et al.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Note
TITLE PAGE, Item (54) and at Column 1, lines 1-4,
[REDACTED] Title, "ARTICULATED DRIVING MECHANISM, METHOD OF
MANUFACTURING THE MECHANISM, AND HOLDING HAND AND ROBOT USING
THE MECHANISM" should read -- MULTI-JOINT DRIVE MECHANISM AND
MANUFACTURING METHOD THEREFOR, AND GRASPING HAND AND ROBOT USING
THOSE --.

Column 23

Line 26, Claim 11, "antagonistic action of both types." should read

-- a flat-plate bone-member layer member in which a plurality of flat plate
bone members are arranged in arrays, each of the flat plate bone members having at least one
recessed portion, the plurality of bone members being movably coupled at coupling portions, the
coupling portions comprising flat plates, and

elastic members which are arranged so as to stretch over the coupling portions on
at least one of a contact-surface side of the bone-member layer member that is to make contact
with an object and a noncontact-surface side of the bone-member layer member opposed to the
contact-surface side, the elastic members being fitted into the recessed portions of adjacent ones
of the bone members so as to be fixed to the adjacent ones of the bone members, the elastic
members being capable of being elastically expanded and contracted, wherein the multi-joint
drive mechanism is operable to drive flexural motions with the coupling portions between
adjoining bone members serving as joints by expanding or contracting the elastic members, and
the multi-joint drive mechanism has a layer structure in which at least the flat-plate bone-member
layer member and the elastic members are arranged in a planar fashion,

and wherein the grasping hand is operable to perform a grasping operation for the object
by expanding or contracting the elastic members to drive the finger mechanisms. --.

Note This certificate supersedes Certificate
of Correction issued July 20, 2010.

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Column 23

Line 48, Claim 16, "information detection device" should read -- antagonistic action of both types. --.

Column 24

Line 29, Claim 19, "by the grasping-object" should read -- by the grasping-object information detection device. --.

Line 30, Claim 19, cancel the text beginning with "a flat-plate" to and ending "finger mechanisms." in column 24, lines 56-57.